

Award-Winning INL excels in 2006

Researchers at Idaho National Laboratory delivered one of their most productive years ever, earning exceptional recognition that included six international awards, five significant regional awards and 61 patents in 2006.

By any standard it was an exceptional year for INL, which is in its second year of existence after combining the former Argonne National Laboratory West and Idaho National Engineering and Environmental Laboratory to form the new INL.

INL researchers were selected for four R&D 100 awards, a NASA Nano-50 award, three Federal Laboratory Consortium - Far West Region awards, two Idaho Innovation awards, and as a finalist for a 2006 Platts Global Energy Awards in the Commercial Technology category. Also, INL's 11th Annual Honors Banquet celebrated a banner year of performance with 61 patents by 117 inventors, more than \$1M in fees for 51 licenses, \$37M in 18 cooperative research agreements, and \$271M in work for others.

In other competitions, researchers won five significant regional awards, including three Federal Lab Consortium Region Far West awards and two Idaho Innovation Awards. Winners of the Idaho Innovation Award include Medical Actinium for Therapeutic Treatment, called MATT. A licensed technology with NorthStar Nuclear Medicine, Inc, in Janesville, WI, MATT provides medical isotope actinium-225 for use in cancer treatment that offers advantages over traditional treatment approaches like chemotherapy. The other winner was the INL Robotic Intelligence Kernel, a low-cost, on-board control architecture that gives robots exceptional new levels of autonomy and intelligence that revolutionizes robot capabilities and the robot/operator relationship.

On Dec. 1, INL held its 11th Annual Honors Banquet in Idaho Falls to recognize 117 inventors who received 61 patents, inducted nine new members of the INL Inventors Hall of Fame and elevated seven current members to higher plateaus within the Hall of Fame. During the celebration, Bruce Wilding was named Inventor of the Year and Woody Russell was named Technician of the Year.

On Dec 10, 2006 INL Associate Laboratory Director and Chief Research Officer Bill Rogers and Tony Rutz, coordinator for the Science and Engineering External Recognition (SEER) program, were interviewed by [KIDK](#) Public Affairs Director Steve Cannon during the local CBS affiliate's "Eye on Idaho" program. The interview focused on INL's mission, vision and award-winning performance for 2006. Links to the video segments are provided below with permission.

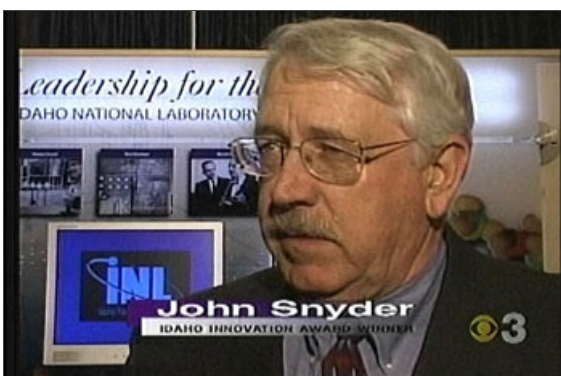
Cannon closed the program with a discussion of INL's future and efforts at commercializing developed technologies. Rogers outlined his view of INL's future during the next decade, which is expected to include major programs in nuclear research and applied engineering excellence. Rutz highlighted contributions by the Technician of the Year Woody Russell, a southeastern Idaho native and skilled machinist for 35 years, plus the importance of science and math education in maintaining America's technological edge in the future.



Segment 1:

Overview of major INL achievements in 2006.

[Segment 1](#) (10.6MB wmv)



Segment 2:

More about Idaho Innovation awards and INL's new Laboratory Director's Exceptional Achievement Awards in science, engineering and early career contributions.

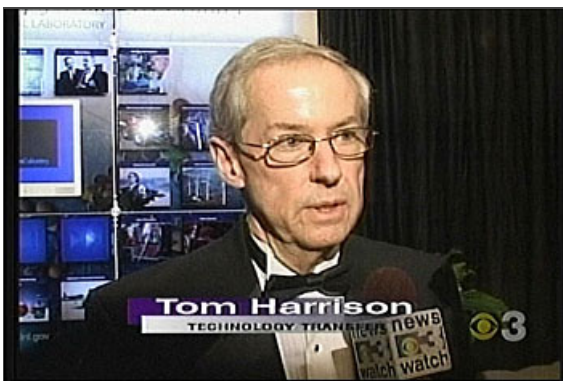
[Segment 2](#) (10.1MB wmv)



Segment 3:

Meet some of the award-winning inventors and recipients of INL's new Laboratory Director's Exceptional Achievement Awards in science and engineering.

[Segment 3](#) (9.4MB wmv)



Segment 4:

More about INL's technology transfer efforts.

[Segment 4](#) (9.8MB wmv)

Selected other 2006 achievements not mentioned during the broadcast include:

- Steve Herring, Carl Stoots, and Jim O'Brien completed a 1,000 hour electrolysis kiln to produce hydrogen, long most efficient hydrogen production experiment in the world;
- Harold McFarlane assumed presidency of the American Nuclear Society, a society of nearly 11,000 nuclear professionals;
- John Grossenbacher serves as Chair of the Idaho Governor's Science and Technology Advisory Council;
- David Barber was selected as the Glenn T. Seaborg Congressional science and Engineering Fellow for 2007;
- Michael Nitzel named Outstanding Engineer for 2006 by ISU Engineering College;
- Richard Boardman elected president of Idaho Academy of Sciences for 2006;
- Robert Evans selected to receive the Neal Baum Award from the Instrumentation, System and Automation Society (ISA);
- Andy Klein selected as Outstanding Engineering Alumnus by Penn State University;
- David Bruemmer selected to participate in the NAE's 2006 U.S. Frontiers of Engineering Symposium;
- INL installed an E-85 station on the Site to add to LNG, CNG and biodiesel energy efforts; and
- INL selected for "making a difference" to receive the Salvation Army's 'Others Awards', first business to receive this national honor.

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